

ABSTRACT

A silane-terminated polyurethane composition is the reaction product of a silane-terminated polyurethane prepolymer component, a silane-terminated monomeric diisocyanate, and optionally at least one multifunctional trisilane or tetrasilane component. A method for making a composition includes (a) providing a silane-terminated polyurethane prepolymer component, a silane-terminated monomeric diisocyanate component, and optionally at least one multifunctional trisilane or tetrasilane component, and (b) combining the prepolymer component, monomeric component, and optional multifunctional silane component to form a silane-terminated polyurethane reaction product with a tensile strength of about 4 MPa or greater and an elongation of about 200% or greater.